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University of Maine

Maine Agricultural Experiment Station

BULLETIN No. 43. MARCH, 1898.

FERTILIZER INSPECTION.

This Bulletin contains the analyses of Manufacturer's samples of all brands of Fertilizers licensed before February 25, 1898.

Requests for the Bulletins should be addressed to the
AGRICULTURAL EXPERIMENT STATION,
Orono, Maine.

DESCRIPTIVE LIST OF MANUFACTURERS' SAMPLES, 1898.

Station number.	Brand.	Manufacturer.	Place of business.
1595	Americus Potato Manure	Williams & Clark Fert. Co.	Boston, Mass.
1594	Americus Corn Phosphate	Williams & Clark Fert. Co.	Boston, Mass.
1237	Americus Ammo. Bone Superphos	Williams & Clark Fert. Co.	Boston, Mass.
1217	Bay State Fertilizer	Clark's Cove Fertilizer Co.	Boston, Mass.
1218	Bay State Fertilizer, G. G	Clark's Cove Fertilizer Co.	Boston, Mass.
1219	Bay State Fertilizer for Seed'g Down	Clark's Cove Fertilizer Co.	Boston, Mass.
1600	Bay State Defiance Phosphate	Clark's Cove Fertilizer Co.	Boston, Mass.
1582	Blanchard's Fish, Bone and Potash	Hiram Blanchard	Eastport, Me.
1581	Blanchard's Fish Scrap No. 2	Hiram Blanchard	Eastport, Me.
1252	Bowker's Ammo. Dissolved Bone	Bowker Fertilizer Co	Boston, Mass.
1868	Bowker's Bone & WoodAsh Fertilizer	Bowker Fertilizer Co	Boston, Mass.
1852	Bowker's Corn Phosphate	Bowker Fertilizer Co	Boston, Mass.
1251	Bowker's Farm & Garden Phosphate	Bowker Fertilizer Co	Boston, Mass.
1257	Bowker's Fresh Ground Bone	Bowker Fertilizer Co	Boston, Mass.
1579	Bowker's High Grade Fertilizer	Bowker Fertilizer Co	Boston, Mass.
1248	Bowker's Hill & Drill Phosphate	Bowker Fertilizer Co	Boston, Mass.
1872	Bowker's Market Garden Manure	Bowker Fertilizer Co	Boston, Mass.
1249	Bowker's Potato & Vegetable Manure	Bowker Fertilizer Co	Boston, Mass.
1389	Bowker's Potato & Vegetable Phos	Bowker Fertilizer Co	Boston, Mass.
1390	Bowker's 6% Potato Fertilizer	Bowker Fertilizer Co	Boston, Mass.
1250	Bowker's Sq. Brand Bone & Potash	Bowker Fertilizer Co	Boston, Mass.
1866	Bowker's Staple Phosph'te or 3% Fer.	Bowker Fertilizer Co	Boston, Mass.
1867	Bowker's Superphosphate with Pot.	Bowker Fertilizer Co	Boston, Mass.
1247	Bowker's Sure Crop Phosphate	Bowker Fertilizer Co	Boston, Mass.
1588	Bowker's 10% Manure	Bowker Fertilizer Co	Boston, Mass.
1268	Bradley's Complete Manure for Potatoes and Vegetables	Bradley Fertilizer Co	Boston, Mass.
1282	Bradley's Corn Phosphate	Bradley Fertilizer Co	Boston, Mass.
1266	Bradley's Eureka Fertilizer	Bradley Fertilizer Co	Boston, Mass.
1269	Bradley's Potato Fertilizer	Bradley Fertilizer Co	Boston, Mass.
1267	Bradley's Potato Manure	Bradley Fertilizer Co	Boston, Mass.
1265	Bradley's X. L. Phosphate	Bradley Fertilizer Co	Boston, Mass.
1883	Bradley's Complete Manure for Top Dressing Grass and Grain	Bradley Fertilizer Co	Boston, Mass.
1882	Bradley's Niagara Phosphate	Bradley Fertilizer Co	Boston, Mass.
1886	Chittenden's Complete Fertilizer	National Fertilizer Co	Boston, Mass.
1887	Chittenden's Market Garden Fert'er.	National Fertilizer Co	Boston, Mass.
1885	Chittenden's Ammo. Bone Phosphate	National Fertilizer Co	Boston, Mass.
1607	Cleveland Fertilizer for all crops	Cleveland Dryer Co	Boston, Mass.
1263	Cleveland Superphosphate	Cleveland Dryer Co	Boston, Mass.
1264	Cleveland Potato Phosphate	Cleveland Dryer Co	Boston, Mass.
1262	Cleveland Seeding Down Fertilizer	Cleveland Dryer Co	Boston, Mass.
1608	Cleveland Pioneer Fertilizer	Cleveland Dryer Co	Boston, Mass.
1855	Crocker's Ammo. Corn Phosphate	Crocker Fert. & Chem. Co.	Buffalo, N. Y.
1853	Crocker's New Rival Ammo. Super	Crocker Fert. & Chem. Co.	Buffalo, N. Y.
1856	Crocker's Potato, Hop & Tobacco Phos	Crocker Fert. & Chem. Co.	Buffalo, N. Y.
1854	Crocker's Superior Fertilizer	Crocker Fert. & Chem. Co.	Buffalo, N. Y.

ANALYSES OF MANUFACTURERS' SAMPLES, 1898.

Station number.	Nitrogen.		Phosphoric Acid.				Potash.		Station number.
	Found.	Guaranteed.	Available found.	Available guaranteed.	Total found.	Total guaranteed.	Found.	Guaranteed.	
	%	%	%	%	%	%	%	%	
1595	2.07	2.06	10.04	8.00	11.28	9.00	3.53	3.00	1595
1594	2.27	2.06	9.09	9.00	11.65	10.00	2.03	1.50	1594
1237	2.80	2.47	9.50	9.00	10.29	10.00	2.63	2.00	1237
1217	2.72	2.47	9.67	9.00	10.63	10.00	2.65	2.00	1217
1218	2.36	1.85	9.72	8.50	11.53	10.00	2.62	2.00	1218
1219	2.33	1.03	9.73	8.00	11.62	10.00	2.59	2.00	1219
1600	1.43	.82	9.18	7.00	10.79	9.00	2.10	1.00	1600
1582	2.47	2.50	1.97	2.00	4.61	4.50	4.59	4.50	1582
1581	4.52	4.47	3.27	3.25	4.34	4.00	–	–	1581
1252	1.88	1.50	7.83	8.00	9.88	10.00	2.17	2.00	1252
1868	1.99	1.50	8.86	6.00	10.86	8.00	3.09	2.00	1868
1852	1.88	1.60	8.59	7.00	11.36	9.00	2.26	2.00	1852
1251	1.86	1.50	8.28	8.00	10.07	10.00	2.21	2.00	1251
1257	3.10	2.25	–	–	17.49	18.00	–	–	1257
1579	2.76	2.25	10.08	8.00	12.00	10.00	4.68	4.00	1579
1248	2.60	2.25	9.23	9.00	12.31	12.00	2.52	2.00	1248
1872	2.18	2.25	7.80	6.00	10.13	8.00	10.95	10.00	1872
1249	2.54	2.25	6.33	8.00	10.64	10.00	4.42	4.00	1249
1389	1.77	1.50	7.33	8.00	12.73	10.00	2.34	2.00	1389
1390	1.01	.75	7.81	7.00	11.67	10.00	6.38	6.00	1390
1250	1.79	1.50	6.40	6.00	13.59	12.00	2.21	2.00	1250
1866	1.00	.75	8.68	8.00	11.86	10.00	3.65	3.00	1866
1867	–	–	10.70	10.00	13.52	11.00	3.19	2.00	1867
1247	1.02	.75	7.84	8.00	11.91	10.00	1.16	1.00	1247
1588	1.15	.75	6.47	6.00	10.08	8.00	10.98	10.00	1588
1268	4.10	3.73	9.44	8.00	11.56	9.00	7.16	6.00	1268
1282	2.59	2.05	9.97	9.00	11.39	10.00	1.68	1.50	1282
1266	2.00	1.65	7.93	5.00	15.30	10.00	1.95	2.00	1266
1269	2.11	2.06	10.67	9.00	11.60	11.00	3.07	3.25	1269
1267	2.61	2.50	7.31	6.00	9.54	8.00	5.43	5.00	1267
1265	2.70	2.50	11.13	9.00	12.61	11.00	2.27	2.00	1265
1883	5.49	4.95	7.07	5.00	7.48	6.00	3.20	2.50	1883
1882	1.00	1.00	8.56	7.00	9.66	8.00	1.56	1.08	1882
1886	3.79	3.30	9.35	8.00	10.68	10.00	6.31	6.00	1886
1887	3.02	2.40	7.29	7.00	10.19	9.00	5.83	6.00	1887
1885	2.42	1.70	9.72	8.00	11.33	10.00	3.69	2.00	1885
1607	1.48	1.03	8.87	8.00	11.22	9.00	2.42	2.00	1607
1263	2.39	2.05	9.89	9.00	11.81	11.00	2.71	2.00	1263
1264	2.16	2.05	10.47	8.00	11.44	10.00	3.21	3.00	1264
1262	1.65	1.65	9.14	5.00	11.53	10.00	2.23	2.00	1262
1608	1.63	.82	9.19	7.00	11.02	9.00	2.00	1.00	1608
1855	2.92	2.05	12.21	10.00	12.79	11.00	2.43	1.62	1855
1853	2.16	1.23	11.75	10.00	12.37	11.00	2.37	1.62	1853
1856	2.42	2.05	10.68	10.00	11.45	11.00	3.39	3.24	1856
1854	.90	.82	8.86	8.00	9.69	9.00	2.06	2.00	1854

DESCRIPTIVE LIST—CONTINUED.

Station number.	Brand.	Manufacturer.	Place of business.
1601	Cumberland Hawkeye Fertilizer....	Cumberland Bone Phos. Co.	Portland, Me.
1394	Cumberland Potato Fertilizer.....	Cumberl'd Bone-Phos. Co.	Portland, Me.
1395	Cumberland Seeding Down Manure .	Cumberl'd Bone-Phos. Co.	Portland, Me.
1393	Cumberland Superphosphate	Cumberl'd Bone-Phos. Co.	Portland, Me.
1636	Darling's Blood, Bone & Potash	L. B. Darling Fertilizer Co.	Pawtuc't, R. I.
1637	Darling's Animal Fertilizer	L.B. Darling Fertilizer Co.	Pawtuc't, R. I.
1638	Darling's Potato & Root Crop Manure	L.B. Darling Fertilizer Co.	Pawtuc't, R. I.
1639	Darling's Animal Fertilizer, G. Brand	L.B. Darling Fertilizer Co.	Pawtuc't, R. I.
1864	Dirigo Fertilizer.....	Sagadahoc Fertilizer Co..	Bowdoinham.
1401	E. Frank Coe's Columbian Brand..	The E. Frank Coe Co.....	N. York, N. Y.
1617	E. Frank Coe's Grass & Grain Fert ..	The E. Frank Coe Co	N. York, N. Y.
1399	E. Frank Coe's High Grade Ammo. Bone Superphosphate.....	The E. Frank Coe Co.....	N. York, N. Y.
1884	E. Frank Coe's H.G. Potato Fertilizer	The E. Frank Coe Co.....	N. York, N. Y.
1606	E. Frank Coe's Prize Brand Grain & Grass Fertilizer.....	The E. Frank Coe Co	N. York, N. Y.
1405	E. Frank Coe's Special Potato Fert..	The E. Frank Coe Co.....	N. York, N. Y.
1400	E. Frank Coe's Standard Grade Ammo. Bone Superphosphate	The E. Frank Coe Co.....	N. York, N. Y.
1410	Essex Complete Manure for Corn, Grain & Grass....	Russia Cement Co.....	Glouc'r, Mass.
1411	Essex Complete Manure for Potatoes, Roots and Vegetables...	Russia Cement Co.....	Glouc'r, Mass.
1412	Essex High Grade Superphosphate..	Russia Cement Co.....	Glouc'r, Mass.
1568	Essex XXX Fish and Potash.....	Russia Cement Co.....	Glouc'r, Mass.
1276	Farrar's Superphosphate.....	F. S. Farrar & Co..	Bangor, Me ..
1277	Farrar's Potato Manure	F. S. Farrar & Co.....	Bangor, Me...
1586	Foster's Vegetable and Vine.	Dwight H. Foster.....	Syracuse, N.Y.
1871	Gloucester Fish and Potash..... ..	Bowker Fertilizer Co.....	Boston, Mass
1605	Grass and Grain Fertilizer	Pacific Guano Co	Boston, Mass.
1233	Great Eastern Corn Phosphate	The Great East'n Fert. Co.	Rutland, Vt...
1578	Great Eastern Dissolved Bone.....	The Great East'n Fert. Co.	Rutland, Vt...
1230	Great Eastern General Fertilizer....	The Great East'n Fert. Co.	Rutland, Vt ..
1231	Great Eastern Grass & Oats Phos....	The Great East'n Fert. Co.	Rutland, Vt ..
1232	Great Eastern Potato Manure	The Great East'n Fert. Co.	Rutland, Vt ..
1215	King Philip Alkaline Guano for Potatoes.....	Clark's Cove Fert. Co	Boston, Mass.
1857	Lister's Seeding Down Fertilizer....	Lister's Agr'l Chem. W'ks.	Newark, N. J.
1858	Lister's Special Potato Fertilizer ...	Lister's Agr'l Chem. W'ks.	Newark, N. J.
1859	Lister's Success Fertilizer.....	Lister's Agr'l Chem. W'ks.	Newark, N. J.
1234	Nobsque Guano.....	Pacific Guano Co.....	Boston, Mass.
1409	Nash's Pure Bone Meal...	Nash Manufacturing Co...	Orrington, Me
1597	Otis Potato Fertilizer	Samuel G. Otis.	Hallowell, Me
1880	Otis Seeding Down Fertilizer	Samuel G. Otis.	Hallowell, Me
1620	Otis Superphosphate	Samuel G. Otis.	Hallowell, Me
1566	Packer's Union High Grade Animal Corn Fertilizer.....	Packer's Union Fert. Co..	N. York, N. Y.

ANALYSES—CONTINUED.

Station number.	Nitrogen.		Phosphoric Acid.				Potash.		Station number.
	Found.	Guaranteed.	Available found.	Available guaranteed.	Total found.	Total guaranteed.	Found.	Guaranteed.	
	%	%	%	%	%	%	%	%	
1601	1.70	.82	8.87	7.00	10.77	9.00	2.08	1.00	1601
1394	2.12	2.06	8.89	9.00	11.05	11.00	3.97	3.00	1394
1395	1.10	1.03	7.80	8.00	9.91	10.00	2.93	2.00	1395
1393	2.08	2.06	9.30	8.00	11.22	10.00	3.56	2.00	1393
1636	4.58	4.12	7.28	7.00	7.94	8.00	8.20	7.00	1636
1637	3.66	3.30	8.12	8.00	12.90	10.00	5.34	4.00	1637
1638	4.02	2.88	7.77	9.00	9.90	10.00	8.53	7.00	1638
1639	2.94	2.06	10.15	6.00	14.13	7.00	4.65	4.00	1639
1864	1.85	2.00	5.41	3.00	10.23	10.00	5.28	4.00	1864
1401	1.22	1.20	8.68	9.00	12.95	11.00	1.82	1.85	1401
1617	2.83	.80	10.84	9.00	14.47	10.00	1.21	1.35	1617
1399	2.01	2.00	9.17	9.00	12.56	11.00	1.71	1.85	1399
1884	2.50	2.40	7.71	7.00	9.00	8.00	7.86	6·50	1884
1606	1.76	.40	10.74	10.50	13.57	12.00	1.45	1.25	1606
1405	1.95	1.65	9.25	8.00	13.45	10.00	4.58	4.00	1405
1400	1.73	1.75	8.98	8.00	12.87	10.00	1.00	1.35	1400
1410	4.00	3.70	9.41	7.00	11.92	9.50	10.52	9.50	1410
1411	3.96	3.70	8.14	7.00	10.98	9.00	9.18	8.50	1411
1412	2.81	2.50	11.76	9.00	14.34	11.00	4.84	4.00	1412
1568	2.68	2.10	10.63	9.00	13.19	12.00	2.75	2.25	1568
1276	2.56	2.50	11.50	9.00	15.75	12.00	1.63	2.00	1276
1277	2.33	2.25	10.22	9.00	16.21	12.00	3.32	3.00	1277
1586	1.96	1.65	6.86	6.00	7.83	7.00	8.21	8.00	1586
1871	.97	.75	6.58	6.00	11.44	9.00	1.76	1.00	1871
1605	1.82	.82	9.41	7.00	11.09	8.00	2.39	1.08	1605
1233	3.06	2.88	9.20	8.00	9.94	8.00	3.43	2.00	1233
1578	–	–	15.13	14.00	16.49	14.00	–	–	1578
1230	1.10	.82	9.94	8.00	12.20	8.00	4.72	4.00	1230
1231	–	–	10.99	11.00	15.07	11.00	2.15	2.00	1231
1232	2.35	2.06	10.04	8.00	10.72	8.00	5.71	4.00	1232
1215	1.79	1.23	8.26	6.50	9.31	8.00	3.66	3.00	1215
1857	1.60	1.32	8.00	7.00	10.28	8.00	2.43	2.00	1857
1858	1.85	1.65	9.01	8.00	11.57	9.00	3.48	3.00	1858
1859	1.45	1.24	11.25	9.50	12.76	11.50	2.39	2.00	1859
1234	1.23	1.15	8.91	8.00	11.35	10.00	2.25	2.00	1234
1409	3.63	3.50	–	–	18.01	18.00	–	–	1404
1597	2.06	2.00	10.44	9.00	11.68	11.00	4.12	3.00	1597
1880	1.36	1.50	8.37	8.00	9.98	12.00	2.39	2.00	1880
1620	2.57	2.00	11.16	9.50	13.01	11.00	2.77	2.00	1620
1566	2.58	2.47	8.17	8.00	10.50	9.00	1.74	2.00	1566

DESCRIPTIVE LIST—CONCLUDED.

Station number.	Brand.	Manufacturer.	Place of business.
1567	Packer's Union High Grade Potato Manure	Packer's Union Fert. Co.	N. York, N. Y.
1619	Packer's Union High Grade Wheat, Oats and Clover Fertilizer	Packer's Union Fert. Co.	N. York, N. Y.
1604	Potato Special	Pacific Guano Co	Boston, Mass.
1589	Quinnipiac Climax Phosphate	The Quinnipiac Co	Boston, Mass.
1590	Quinnipiac Corn Manure	The Quinnipiac Co	Boston, Mass.
1244	Quinnipiac Phosphate	The Quinnipiac Co	Boston, Mass.
1245	Quinnipiac Potato Manure	The Quinnipiac Co	Boston, Mass.
1591	Quinnipiac Potato Phosphate	The Quinnipiac Co	Boston, Mass.
1246	Quinnipiac Seeding Down Manure	The Quinnipiac Co	Boston, Mass.
1396	Read's Practical Potato Special	Dwight H. Foster	Syracuse, N.Y.
1397	Read's Standard	Dwight H. Foster	Syracuse, N.Y.
1587	Read's Sure Catch	Dwight H. Foster	Syracuse, N.Y.
1236	Royal Bone Phosphate	Williams & Clark Fert. Co.	Boston, Mass.
1862	Sagadahoc Low Price Brand	Sagadahoc Fertilizer Co.	Bowdoinham.
1863	Sagadahoc Merrymeeting Brand	Sagadahoc Fertilizer Co.	Bowdoinham.
1861	Sagadahoc Special Potato	Sagadahoc Fertilizer Co.	Bowdoinham.
1860	Sagadahoc Superphosphate	Sagadahoc Fertilizer Co.	Bowdoinham.
1865	Samson Fertilizer.	Dwight H. Foster	Syracuse, N.Y.
1550	Sea Fowl Guano	Bradley Fertilizer Co	Boston, Mass.
1235	Soluble Pacific Guano	Pacific Guano Company	Boston, Mass.
1414	Standard A Brand	Standard Fertilizer Co	Boston, Mass.
1223	Standard Fertilizer	Standard Fertilizer Co	Boston, Mass.
1221	Standard Guano	Standard Fertilizer Co	Boston, Mass.
1603	Standard Special for Potatoes	Standard Fertilizer Co	Boston, Mass.
1580	Stockbridge Corn & Grain Manure	Bowker Fertilizer Co	Boston, Mass.
1870	Stockbridge Pea & Bean Manure	Bowker Fertilizer Co	Boston, Mass.
1388	Stockbridge Potato & Veg. Manure	Bowker Fertilizer Co	Boston, Mass.
1391	Stockbridge Seeding Down Manure.	Bowker Fertilizer Co	Boston, Mass.
1869	Stockbridge Strawberry Manure	Bowker Fertilizer Co	Boston, Mass.
1392	Stockbridge Top Dressing Manure	Bowker Fertilizer Co	Boston, Mass.
1874	Swift's Lowell Animal Fertilizer	Lowell Fertilizer Co	Lowell, Mass.
1875	Swift's Lowell Bone Fertilizer.	Lowell Fertilizer Co	Lowell, Mass.
1876	Swift's Lowell Dissolved Bone & Pot.	Lowell Fertilizer Co	Lowell, Mass.
1879	Swift's Lowell Fruit & Vine Fert	Lowell Fertilizer Co	Lowell, Mass.
1873	Swift's Lowell Ground Bone	Lowell Fertilizer Co	Lowell, Mass.
1878	Swift's Lowell Market Gard. Manure	Lowell Fertilizer Co	Lowell, Mass.
1877	Swift's Lowell Potato Phosphate	Lowell Fertilizer Co	Lowell, Mass.
1616	Tankage	Portland Rendering Co	Portland, Me.
1846	Tucker's Original Bay State Bone Superphosphate	H. F. Tucker Co	Boston, Mass.
1629	Williams & Clark Potato Phosphate.	Williams & Clark Fert. Co.	Boston, Mass.

NOTE.—Since this Bulletin was in type the following additional brands have been licensed: Maine State Grange Chemicals, Maine State Grange Potato Manure and Maine State Grange Seeding Down Fertilizer, by the Russia Cement Company; Triumph Bone and Potash by The Clark's Cove Fertilizer Company; Philbrick's Fertilizer by E. J. Philbrick; and Standard Bone and Potash by the Standard Fertilizer Company.—C. D. W.

ANALYSES—CONCLUDED.

Station number.	Nitrogen.		Phosphoric Acid.				Potash.		Station number.
	Found.	Guaranteed.	Available found.	Available guaranteed.	Total found.	Total guaranteed.	Found.	Guaranteed.	
	%	%	%	%	%	%	%	%	
1567	2.11	2.06	7.99	8.00	9.95	9.00	8.05	6.00	1567
1619	–	–	10 92	11.00	12.12	12.00	2.39	2.00	1619
1604	2.65	2.05	11.01	8.00	12.07	9.00	4.10	3.00	1604
1589	1.28	1.03	8.63	8.00	11.27	9.00	2.54	2.00	1589
1590	2.22	2.06	10.39	9.00	11.68	10.00	2.27	1.50	1590
1244	2.74	2.47	9.38	9.00	10.49	10.00	2.72	2.00	1244
1245	2.71	2.47	7.67	6.00	9.93	7.00	5.80	5.00	1245
1591	2.15	2.05	10.42	8.00	11.32	9.00	3.66	3.00	1591
1246	1.23	.82	9.46	9.00	11.72	10.00	2.26	2.00	1246
1396	1.20	.82	4.94	4.00	5.48	5.00	8.35	8.00	1396
1397	1.15	.82	8.23	8.00	9.15	9.00	4.33	4.00	1397
1587	–	–	9.52	6.00	11.08	7.00	5.06	4.00	1587
1236	1.26	1.03	9.31	7.00	11.54	8.00	2.26	2.00	1236
1862	.82	.50	9.03	3.00	11.15	7.00	2.77	1.50	1862
1863	1.50	1.50	7.72	5.00	11.50	9.00	2.73	2.00	1863
1861	2.80	2.75	6.80	6.00	9.22	10.00	8.34	7.00	1861
1860	2.16	2.50	7.75	6.00	10.13	10.00	5.68	4.00	1860
1865	1.97	1.65	6.75	6.00	8.26	7.00	4.42	4.00	1865
1550	2.90	2.06	9.41	8.00	12.35	10.00	1.73	1.50	1550
1235	2.37	2.25	9.75	8.50	11.60	10.50	2.61	2.00	1235
1414	1.33	.82	7.92	7.00	9.88	9.00	1.71	1.00	1414
1223	2.44	2.00	10.00	8.00	11.96	10.00	2.67	2.00	1223
1221	1.75	1.25	8.61	6.50	9.70	8.50	3.69	3.00	1221
1603	2.43	2.05	10.98	8.00	12.01	9.00	3.78	3.00	1603
1580	3.33	3.00	8.63	8.00	10.54	10.00	6.55	6.00	1580
1870	2.51	2.00	6.89	6.00	10.10	8.00	6.28	6.00	1870
1388	3.43	3.25	5.25	6.00	9.49	7.00	9.76	10.00	1388
1391	2.62	2.50	7.39	6.00	12.09	12.00	10.27	10.00	1391
1869	2.29	2.25	6.96	6.00	10.26	7.00	4.79	4.00	1869
1392	5.09	5.00	5.78	4.00	9.48	6.00	5.87	6.00	1392
1874	2.85	2.46	10.38	9.00	11.39	10.00	4.10	4.00	1874
1875	2.06	1.64	8.27	8.00	9.58	9.00	3.56	3.00	1875
1876	1.90	1.64	9.33	9.00	11.06	10.00	2.45	2.00	1876
1879	3.69	3.28	7.72	7.00	8.68	8.00	6.44	6.00	1879
1873	2.30	2.46	–	–	27.72	23.00	–	–	1873
1878	4.28	4.10	8.19	7.00	8.68	8.00	6.55	6.00	1878
1877	2.61	2.46	9.41	8.00	10.49	9.00	6.96	6.00	1877
1616	4.27	4.42	7.34	8.06	19.40	18.59	–	–	1616
1846	2.40	2.06	9.43	9.00	11.85	11.00	2.69	2.00	1846
1629	2.71	2.47	7.86	6.00	10.16	7.00	5.54	5.00	1629

J. M. BARTLETT, *Chemist.*

O. W. KNIGHT, } *Assistant*
A. J. PATTEN, } *Chemists.*

THE CHIEF PROVISIONS OF THE FERTILIZER LAW APPLYING TO MANUFACTURERS, IMPORTERS AND DEALERS.

The law for the regulation of the sale and analyses of commercial fertilizers makes the following requirements upon manufacturers, importers or dealers who propose to sell or offer for sale commercial fertilizers in the State:

1. *The Brand.* Each package shall bear, conspicuously printed, the following statements:

The number of net pounds contained in each package.
The name or trade mark under which it is sold.
The name of the manufacturer or shipper.
The place of manufacture.
The place of business of manufacturer of shipper.
The percentage of nitrogen or its equivalent in ammonia.
The percentage of potash soluble in water.
The percentage of phosphoric acid in available form.
The percentage of total phosphoric acid.

2. *The certificate.* There shall be filed annually between Nov. 15 and Dec. 15 with the Director of the Station a certificate containing an accurate statement of the brand. This certificate applies to the next succeeding calendar year. (Blanks for this purpose will be furnished on application to the Station.)

3. *Manufacturer's Samples.* There shall be deposited annually, unless excused by the Director under certain conditions, a sample of fertilizer, with an accompanying affidavit that this sample "corresponds within reasonable limits to the fertilizer which it represents."

4. *Analysis fee.* For each brand of fertilizer sold or offered for sale in the state there shall be paid annually to the Director of the Station "an analysis fee as follows: Ten dollars for the phosphoric acid and five dollars each for the nitrogen and potash, contained or said to be contained in the fertilizer."

5. *The license.* Upon receipt of the fee, the certificate and the sample (if required) the Director of the Station "shall issue a certificate of compliance."

[The full text of the law will be sent to those asking for it.]

CHAS. D. WOODS, Director.